Amendments to the Specification

Please replace the paragraph beginning on page 9, line 20 with the following amended paragraph:

The state of the transmit control signal 112 and a state of the switching signal 114 is shown in Fig. 4. The transmit control signal 112 and the switching signal 114 is the "L" level at t0. The transmit control signal 112 changes from the "L" level to the "H" level at the t1. The transmit control signal has a pulse shaped waveform. The switch circuit SW3 connects the PLL circuit [[118]] 108 to the input terminal of the power amplifier 105 in response to the "H" level of the transmit control signal 112. The power amplifier 105 is activated in response to the "H" level of the transmit control signal 112.

Please replace the paragraph beginning on page 13, line 9 with the following amended paragraph:

The resistor [[R62]] R61 is connected between the output terminal of the power amplifier 105 and the ground voltage node. The ground voltage node is applied the ground voltage. A value of the resistor R61 is designed to same value as an input impedance of the antenna. When the receiver/transmitter circuit disclosed in the third embodiment is used as RF circuit of Bluethooth (registered trademark of Telefonaktiebolaget LM Ericsson, Sweden), the value of the resistor R61 is designed 50Ω.